

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 February 2004 (26.02.2004)

PCT

(10) International Publication Number
WO 2004/017139 A2

(51) International Patent Classification⁷:

G03C

Gunma Factory, 1, Oaza Showa, Chiyoda-machi, Oura-gun, Gunma 370-0723 (JP). HAYAKAWA, Eiji [JP/JP]; c/o Kodak Polychrome Graphics Japan Ltd., Gunma Factory, 1, Oaza Showa Chiyoda- (JP).

(21) International Application Number:

PCT/JP2003/010320

(22) International Filing Date: 13 August 2003 (13.08.2003)

(74) Agents: SHIGA, MASATAKE et al.; SHIGA INTERNATIONAL PATENT OFFICE, 2-3-1 Yaesu, Chuo-ku, Tokyo 104-8453 (JP).

(25) Filing Language:

English

(81) Designated States (national): BR, CN, US.

(26) Publication Language:

English

(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(30) Priority Data:

2002-236009 13 August 2002 (13.08.2002) JP

Published:

— without international search report and to be republished upon receipt of that report

(71) Applicant (for all designated States except US): KODAK POLYCHROME GRAPHICS JAPAN LTD. [JP/JP]; 3-15-10, Ginza, Chuo-ku, Tokyo 104-0061 (JP).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (for US only): MIYAMOTO, Yasushi [JP/JP]; c/o Kodak Polychrome Graphics Japan Ltd.,

WO 2004/017139 A2

(54) Title: NEGATIVE-WORKING PHOTORESISTIVE COMPOSITION AND NEGATIVE-WORKING PHOTORESISTIVE PLANOGRAPHIC PRINTING PLATE

(57) Abstract: A negative-working photosensitive composition comprises (a) an alkali-soluble resin, (b) a compound which causes a crosslinking reaction by an acid, (c) a compound which generates an acid by heating, and (d) a photothermal converting agent, wherein the compound (c) which generates an acid by heating described above is an onium salt of an acidic dye having a sulfonic group in a molecule. A negative-working photosensitive planographic printing plate is provided with a photosensitive layer comprising the negative-working photosensitive composition, on a surface of a support.